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KNOWLEDGE TRANSLATION

- Translating 'Knowledge Translation'
- Why KT is needed
- How KT is done
- Insights from the real world
- Resources and helpful information



"Knowledge translation (KT) is defined as a dynamic and iterative process that includes synthesis, dissemination, exchange and ethically-sound application of knowledge to improve the health of Canadians, provide more effective health services and products & strengthen the health care system."

Implementing research evidence

Evidence into action

Furning what we know into what we do

Making research matter







"A rose by any other name would smell as sweet"

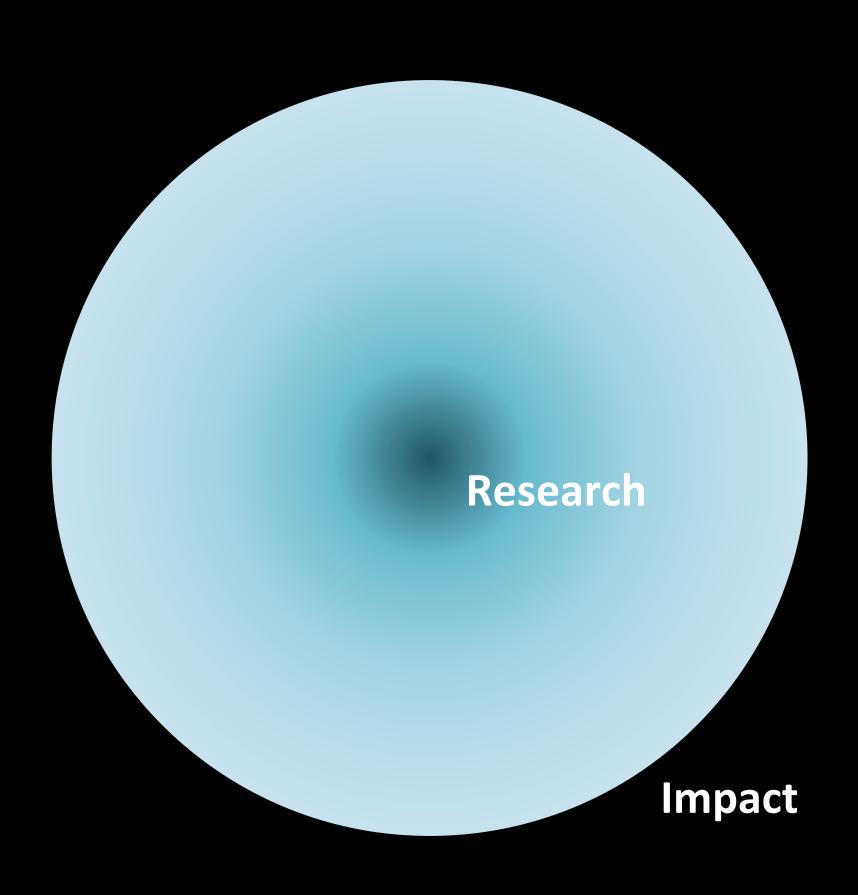
- Knowledge translation (KT)
- Knowledge mobilization (KMb)
- Integrated Knowledge Translation (iKT)
- Knowledge exchange (KE)
- Implementation science
- Research Utilization











How does society benefit from research?

- tools and technology
- companies and jobs
- knowledge and understanding
- guidelines and policies
- treatments and healthcare practice
- health of the individual and population





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The classic example: scurvy

- 42 Years! Why so long?
- How do we shorten this gap?

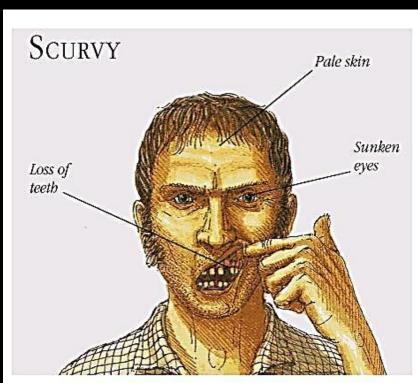


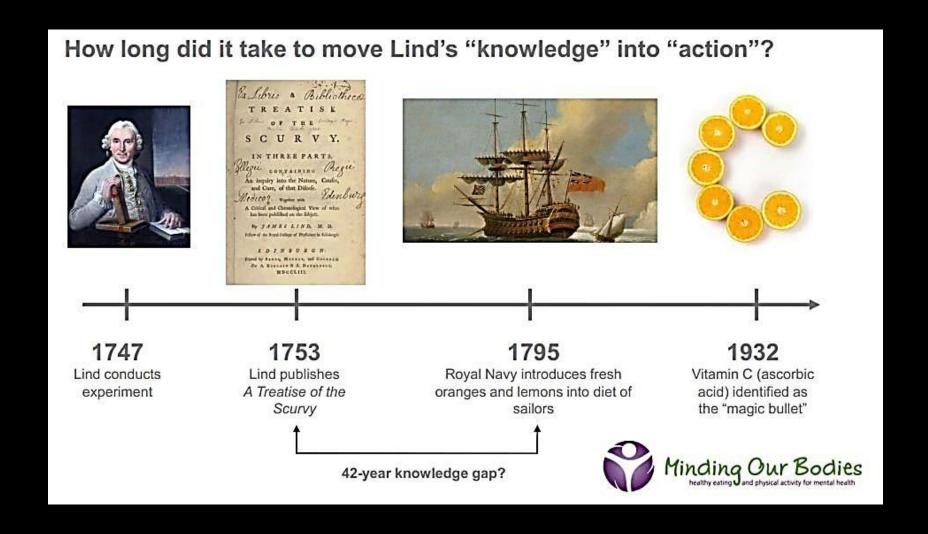
Image source: http://www.bigdeadplace.com/scurvyawareness.html

Between 1500 and 1800, it has been estimated that scurvy killed at least two million sailors.

What's the cure?









REVIEW



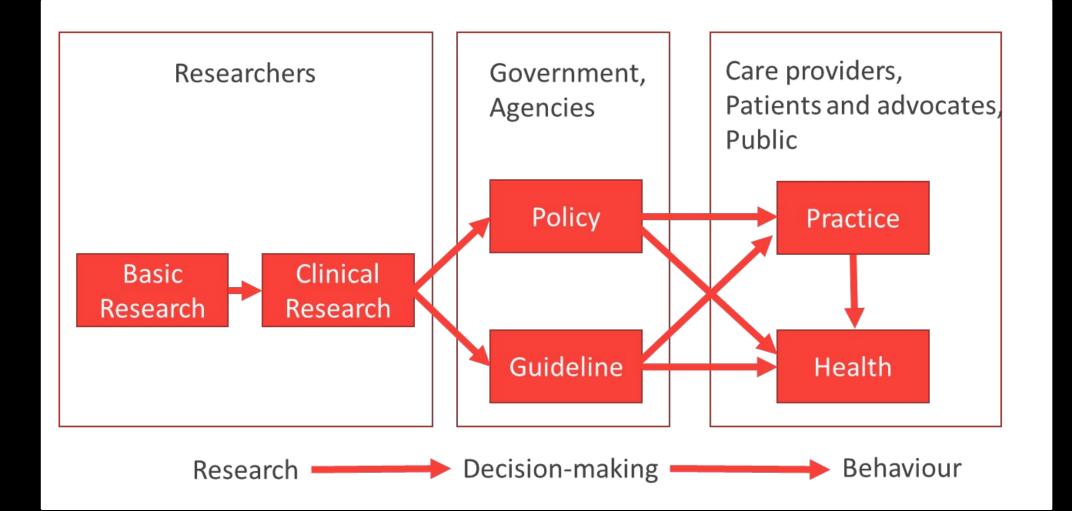
The answer is 17 years, what is the question: understanding time lags in translational research

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The modern example: health research

- Why are there so many steps?
- How do we shorten this gap?



Select, Tailor, Monitor Knowledge Implement Interventions Use Assess Barriers/ Evaluate Facilitators to Knowledge Inquiry Outcomes Knowledge Use Knowledge Synthesis Knowledge Tools/ Products Adapt Sustain Knowledge Knowledge to Local Use Context Identify Problem Determine the Know/Do Gap Select Knowledge

The knowledge to action cycle

- Process vs. system design
- Distillation of knowledge
- Theory vs. practice



Two general approaches

End-of grant KT

Requires applicants to submit a plan for how they will translate their findings when the research is completed

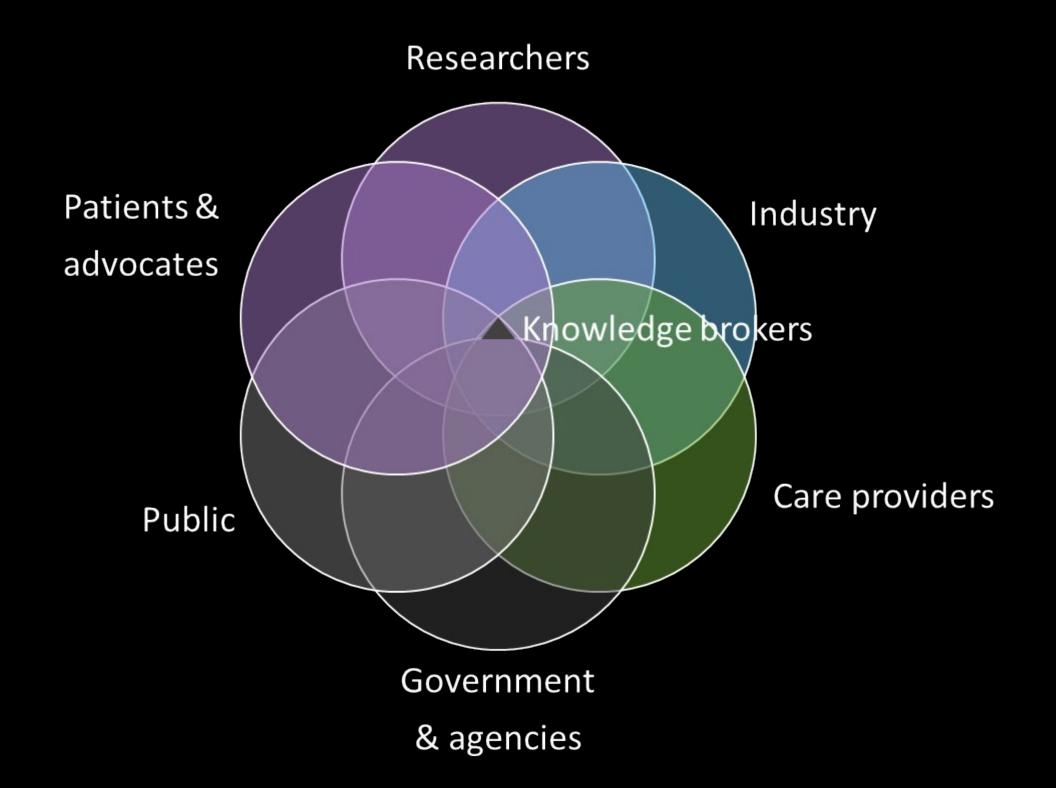
Integrated KT

Requires that knowledge users be members of the research team and participate in many stages of the research process



Roles and incentives:

- Researchers
- Industry
- Care providers
- Government and funders
- Public, patients, advocates
- Knowledge brokers





- Clear vision
- Understand your ecosystem
- Partnership
- Communication
- Build trust
- Human resources
- Celebrate success



Papers referenced:

17 years:

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3241518/pdf/JRSM-11-0180.pdf

James Lind:

http://www.jameslindlibrary.org/articles/james-lind-and-scurvy-1747-to-1795/

CIHR KT framework:

http://www.cihr-irsc.gc.ca/e/45321.html

General KT resources:

KT Canada

http://ktcanada.net/

Canadian Knowledge Transfer and Exchange Community of Practice

http://www.ktecop.ca/

Cochrane Community

https://community.cochrane.org/review-production/knowledge-translation/our-kt-community

How to develop a KT plan

https://www.msfhr.org/sites/default/files/How to Develop and Critique a KT Plan.pdf

KT training:

SickKids

http://www.sickkids.ca/Learning/AbouttheInstitute/Programs/Knowledge-Translation/2-Day-Scientist-Knowledge-Translation-Training/index.html

St. Michael's Hospital

https://knowledgetranslation.net/education-training/pkt/



THANK YOU

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